Index of Claims

| Appli | cation/Control No. |
|-------|--------------------|
|       |                    |

10/782,215

Examiner

PAUL V. WARD

Applicant(s)/Patent under Reexamination

MCCLAIN, JAMES A.

Art Unit

1623

Rejected **Allowed** 

(Through numeral) Cancelled

Restricted

Non-Elected Ν Interference

**Appeal** Α 0 Objected

|          |                  |                                                  | _                                                |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | ,        |                                                  |                |  |
|----------|------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|----------------|--|
|          | . 1              |                                                  |                                                  |                                                  |                                                  | 2-4-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |          |                                                  | $\neg$         |  |
| Cla      |                  | Date                                             |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
| 7        | Original         | က္ခ                                              |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  | l              |  |
| Final    | igi              | 7/5/05                                           |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
| ш        | ō                | 7                                                |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 4                | 1                                                | ⊢                                                | _                                                |                                                  | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                | _        | -                                                | -              |  |
|          | 1                | Ť                                                |                                                  | ┝                                                | <u> </u>                                         | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |          |                                                  | $\vdash$       |  |
|          | 2<br>3<br>4<br>5 | H                                                | _                                                | -                                                | -                                                | Н                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | _        | _                                                | $\vdash$       |  |
|          | 3                | $\mathbf{H}$                                     | -                                                |                                                  | H                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |          |                                                  | $\vdash$       |  |
|          | -                | H                                                | -                                                |                                                  | $\vdash$                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                | _        | _                                                | $\vdash$       |  |
|          | 6                | -                                                | -                                                |                                                  | $\vdash$                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          | -                                                | $\dashv$       |  |
|          | 7                | +                                                | -                                                | -                                                | $\vdash$                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\dashv$                                         |          |                                                  | Н              |  |
|          | 8                | #                                                | -                                                | _                                                | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          | -                                                | $\dashv$       |  |
|          | 9                | #                                                | <del>                                     </del> |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          | _                                                | Н              |  |
|          | 10               |                                                  | _                                                |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          | _                                                | П              |  |
|          | 11               | 1                                                |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 12               | П                                                |                                                  | Г                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  | П              |  |
|          | 13               | 1                                                |                                                  | Г                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  | $\Box$         |  |
|          | 14               | П                                                |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | П                                                |          |                                                  |                |  |
|          | 13<br>14<br>15   |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 16               |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 17               |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 18               | П                                                |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 18<br>19         |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 20               |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 21               |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 21<br>22         |                                                  | L                                                | L                                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 23               | Ш                                                |                                                  |                                                  | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |
|          | 24<br>25         | Ш                                                | L                                                | L                                                | L                                                | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ |                                                  |          |                                                  |                |  |
|          | 25               | Ш                                                | _                                                | <u></u>                                          | Ŀ                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          | _                                                |                |  |
|          | 26<br>27         | Ц,                                               | _                                                | <u> </u>                                         | _                                                | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |          |                                                  |                |  |
|          | 27               | X                                                | _                                                | _                                                | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | _        | _                                                | _              |  |
|          | 28               | <u> </u>                                         | <u> </u>                                         | ļ                                                | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          | L_                                               | Ш              |  |
|          | 29               | _                                                | _                                                | ļ                                                | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  | Ш              |  |
|          | 30               | <u> </u>                                         | $\vdash$                                         | <u> </u>                                         | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | <u> </u> | <u> </u>                                         | Ш              |  |
|          | 31               | -                                                | <u> </u>                                         | <b> </b>                                         | <del> </del>                                     | <b> </b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | _        | _                                                | Н              |  |
|          | 32               | ⊢                                                | ⊢                                                | ├—                                               | $\vdash$                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                | <b></b>  | $\vdash$                                         | $\vdash$       |  |
|          | 33               | ⊢                                                | ┞-                                               | <del> </del>                                     | ⊢                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _                                                | _        | <u> </u>                                         | $\vdash\vdash$ |  |
|          | 34<br>35         | ⊢                                                | -                                                | $\vdash$                                         | -                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | $\vdash$ | $\vdash$                                         | Н              |  |
| <u> </u> |                  | -                                                | -                                                | -                                                | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | <u> </u> | -                                                | $\vdash$       |  |
|          | 36<br>37         | <del>  -</del>                                   | ├                                                | <del> </del>                                     | $\vdash$                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$                                         | -        | -                                                | Н              |  |
|          | 38               | $\vdash$                                         | ⊢                                                | $\vdash$                                         | ╁                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | -        | $\vdash$                                         | Н              |  |
|          | 39               | -                                                | ┢                                                | $\vdash$                                         | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | $\vdash$ | $\vdash$                                         | Н              |  |
|          | 40               | $\vdash$                                         | -                                                | $\vdash$                                         | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | _        | $\vdash$                                         | Н              |  |
|          | 40               | <del>                                     </del> | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  | -        | $\vdash$                                         | Н              |  |
|          | 42               | +-                                               | <del>                                     </del> | $\vdash$                                         | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                | -        | $\vdash$                                         | Н              |  |
|          | 43               | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | <del>                                     </del> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <del>                                     </del> | $\vdash$ | $\vdash$                                         | Н              |  |
|          | 44               | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | $\vdash$ | $\vdash$                                         | Н              |  |
|          | 45               | 1                                                |                                                  | $\vdash$                                         | $\vdash$                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                         | Ι        | $\vdash$                                         | Н              |  |
|          | 46               | 1                                                | Н                                                | 1                                                | 1                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _                                                | $\vdash$ | <del>                                     </del> | Н              |  |
|          | 47               |                                                  | $\vdash$                                         | T                                                | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         | $\vdash$ | t                                                | Н              |  |
|          | 48               | 1                                                | t                                                | T                                                | 1                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                         |          |                                                  | Н              |  |
|          | 49               |                                                  | Г                                                | $\vdash$                                         | 1                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                         |          |                                                  | H              |  |
|          | 50               | t                                                |                                                  | <del>                                     </del> |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  | $\Box$         |  |
|          |                  |                                                  |                                                  |                                                  |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |          |                                                  |                |  |

| Cla         | aim      |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              | {                                                | Date           | =                                                |            |                                                  |                                                  |
|-------------|----------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|----------------|--------------------------------------------------|------------|--------------------------------------------------|--------------------------------------------------|
|             |          |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
| ᡖ           | Original |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
| Final       | igi      |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
| -           | ō        |                                                  | '                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                                  |                |                                                  |            |                                                  |                                                  |
| <b> </b>    |          | _                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | _            |                                                  |                | $\vdash$                                         |            | _                                                |                                                  |
|             | 51       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 52       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 53       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 54       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 55       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Г            |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 56       |                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 57       | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                | -                                                | _          | Т                                                | П                                                |
|             | 58       | Н                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H            |                                                  |                | $\vdash$                                         |            |                                                  |                                                  |
|             | 59       | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$     | -                                                | -              |                                                  |            |                                                  |                                                  |
|             | 60       | $\vdash$                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -            |                                                  | -              | -                                                | _          | -                                                |                                                  |
| <u> </u>    | 60       |                                                  | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⊢            | _                                                | Н              | -                                                | _          | -                                                | -                                                |
| <u></u>     | 61       | _                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>     | _                                                | <u> </u>       | Щ                                                |            | _                                                | Ш                                                |
|             | 62       | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L            | L.,                                              | <u></u>        | $\sqcup$                                         |            |                                                  | Ш                                                |
|             | 63       |                                                  | 匚                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | L            | _                                                | L              | <u> </u>                                         |            | L                                                | Ш                                                |
|             | 64       |                                                  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$ | L            |                                                  |                |                                                  | _          |                                                  |                                                  |
|             | 65       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  | Ĺ              |                                                  |            | L                                                |                                                  |
|             | 66       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  | П                                                |
|             | 67       |                                                  | T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Г            |                                                  |                |                                                  |            | <u> </u>                                         | П                                                |
|             | 68       |                                                  | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                                                  | Г              |                                                  | _          |                                                  | П                                                |
|             | 69       | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$     | $\vdash$                                         | -              | _                                                | _          | $\vdash$                                         | Н                                                |
|             | 70       | ┝                                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -            | -                                                | ┝              |                                                  | -          | -                                                | Н                                                |
| -           | 71       | ┝                                                | ┢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ┢            | -                                                | -              | -                                                | _          |                                                  | Н                                                |
| <del></del> |          | $\vdash$                                         | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ┝            | ┝                                                |                |                                                  | _          | _                                                | Н                                                |
| -           | 72<br>73 | ⊢                                                | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⊢            | <u> </u>                                         |                | -                                                | -          | -                                                | Н                                                |
|             | 73       | ├-                                               | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⊢            | ⊢                                                | _              |                                                  |            | -                                                | Н                                                |
|             | 74       | _                                                | <b>!</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ⊢            | <del> </del>                                     |                | <u> </u>                                         |            | _                                                | Н                                                |
| -           | 75       |                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⊢            | <del>                                     </del> |                | L                                                |            | _                                                | Н                                                |
|             | 76       | _                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              | ├-                                               | -              | -                                                |            | -                                                | -                                                |
|             | 77       | -                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _            | <u> </u>                                         |                | -                                                | _          | _                                                | Н                                                |
|             | 78       | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _            | <u> </u>                                         | _              | _                                                |            | Ļ                                                | _                                                |
| <u> </u>    | 79       |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u>     |                                                  | <u> </u>       | <u> </u>                                         |            | <u> </u>                                         | Ш                                                |
| L           | 80       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u></u>      |                                                  |                |                                                  |            |                                                  |                                                  |
| L           | 81       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 82       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                  |                | L                                                |            |                                                  |                                                  |
|             | 83       |                                                  | Γ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Γ            |                                                  |                |                                                  |            |                                                  |                                                  |
|             | 84       | Г                                                | Г                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                                  |                |                                                  |            | Г                                                |                                                  |
|             | 85       | Г                                                | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                                                  |                |                                                  |            | Г                                                |                                                  |
|             | 86       | <del>                                     </del> | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$     | <u> </u>                                         | <u> </u>       | $\vdash$                                         |            | T                                                | $\Box$                                           |
| $\vdash$    | 87       | Ι-                                               | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                                                  | $\vdash$       | 一                                                |            | $\vdash$                                         | $\vdash$                                         |
| $\vdash$    | 88       | $\vdash$                                         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$     | $\vdash$                                         | $\vdash$       | Н                                                | $\vdash$   | <del>                                     </del> | <del>                                     </del> |
| -           | 89       | <del>                                     </del> | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              | $\vdash$                                         | $\vdash$       | <del>                                     </del> | -          | $\vdash$                                         | $\vdash$                                         |
| <b>—</b>    | 90       | -                                                | ├-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$     | $\vdash$                                         | $\vdash$       | $\vdash$                                         | ├─         | <del>                                     </del> | $\vdash$                                         |
| -           | 0.4      | <del>                                     </del> | ┰                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$     | $\vdash$                                         | $\vdash$       | -                                                | _          | -                                                | $\vdash$                                         |
| -           | 91       |                                                  | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\vdash$     | $\vdash$                                         | $\vdash$       | $\vdash$                                         | $\vdash$   | $\vdash$                                         | $\vdash$                                         |
| -           | 93       | $\vdash$                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$     | -                                                | -              | $\vdash$                                         | $\vdash$   | -                                                | -                                                |
|             |          | ⊢                                                | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -            | -                                                | -              | ⊢                                                | $\vdash$   | $\vdash$                                         | $\vdash$                                         |
| -           | 94       | <del>  -</del>                                   | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ├            | -                                                | $\vdash$       | ⊢                                                | $\vdash$   | $\vdash$                                         | ├                                                |
| -           | 95       | -                                                | <b>⊦</b> –                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ₩            | ⊢                                                | ⊢              | <del> </del>                                     | <u> </u>   | Ͱ                                                | H                                                |
|             | 96       | $\vdash$                                         | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ⊢            | ├-                                               | <del> </del>   | -                                                |            | ⊢                                                | ₩                                                |
|             | 97       | _                                                | ┞                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <del> </del> | <del> </del> —                                   | <u> </u>       | ⊢                                                | <b>—</b>   | ₩                                                | $\vdash$                                         |
| <u> </u>    | 98       | <b>—</b>                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $\vdash$     | <u> </u>                                         | <del> </del> _ | ⊢                                                | <u> </u>   | ⊢                                                | ├                                                |
|             | 99       | ├                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b> </b>     |                                                  | ├              | ┝                                                | <b> </b> _ | -                                                | ├-                                               |
|             | 100      |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L_           |                                                  |                |                                                  | <u></u>    | <u></u>                                          |                                                  |

| Claim    |                                                      | Date   |               |   |          |          |        |    |         |   |  |
|----------|------------------------------------------------------|--------|---------------|---|----------|----------|--------|----|---------|---|--|
|          |                                                      |        |               |   |          |          |        |    |         |   |  |
| Final    | Original                                             |        |               |   |          |          |        |    |         |   |  |
| 늘        | rig                                                  |        |               |   |          |          |        |    |         |   |  |
|          |                                                      |        |               |   |          |          |        |    |         |   |  |
|          | 101<br>102                                           |        |               |   |          |          |        |    |         |   |  |
|          | 102                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 103                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 104                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 103<br>104<br>105                                    |        |               |   |          |          |        |    |         |   |  |
|          | 106                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 106<br>107                                           |        |               |   |          |          |        |    |         |   |  |
|          | 108                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 108<br>109                                           |        |               |   |          |          |        |    |         |   |  |
|          | l 110 l                                              |        |               |   |          |          |        |    |         |   |  |
|          | 111                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 112                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 113                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 111<br>112<br>113<br>114<br>115                      |        |               |   |          |          |        |    |         | П |  |
|          | 115                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 116<br>117<br>118<br>119<br>120<br>121               |        |               |   |          |          |        |    |         |   |  |
|          | 117                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 118                                                  | Г      |               |   |          |          |        |    |         |   |  |
|          | 119                                                  |        | _             |   |          |          |        |    |         |   |  |
|          | 120                                                  |        |               |   |          |          |        | Г  |         |   |  |
|          | 121                                                  |        |               |   |          | Г        |        |    |         |   |  |
|          | 122                                                  |        | $\overline{}$ |   |          |          |        |    |         |   |  |
|          | 123                                                  |        |               |   |          |          |        | _  |         |   |  |
|          | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 |        |               |   | $\vdash$ |          |        |    |         |   |  |
|          | 125                                                  |        | $\vdash$      |   |          | Г        |        |    |         |   |  |
|          | 126                                                  |        |               |   |          |          |        |    | $\Box$  |   |  |
|          | 127                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 128                                                  |        |               |   |          |          | $\Box$ |    |         |   |  |
|          | 129                                                  | Г      | Г             |   |          | Г        | П      | Г  |         |   |  |
|          | 130<br>131                                           |        |               |   |          | П        |        |    |         | П |  |
|          | 131                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 132<br>133<br>134                                    |        |               |   |          |          |        |    |         | П |  |
|          | 133                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 134                                                  |        |               |   |          |          |        |    |         | П |  |
|          | 135<br>136                                           |        |               |   |          |          |        |    |         |   |  |
|          | 136                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 137                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 138<br>139                                           | Ĺ      |               |   |          |          |        |    |         |   |  |
|          | 139                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 140                                                  | $\Box$ |               |   |          |          |        |    |         |   |  |
|          | 141                                                  |        |               |   |          |          | L      |    | $L^{-}$ |   |  |
| <u> </u> | 142                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 143                                                  |        |               |   |          |          |        |    |         |   |  |
|          | 144                                                  | Г      | Π             | Г | П        |          |        |    |         | П |  |
|          | 145                                                  | П      | Г             | Г |          |          |        |    |         |   |  |
|          | 146                                                  | Г      |               | П | Г        |          |        | Γ. | Π       |   |  |
|          | 147                                                  | Г      | Г             | 1 | Γ        | Г        |        |    |         | П |  |
|          | 148                                                  |        |               | 1 | Ι        |          |        |    | Π       | П |  |
|          | 149                                                  |        | Г             |   |          | Т        |        |    | Т       | П |  |
|          | 150                                                  |        |               |   |          |          | Г      |    | Г       | М |  |
|          |                                                      | -      |               |   | _        | <u> </u> |        |    |         |   |  |